

```
ASW1#
ASW1#
ASW1#show running-config
Building configuration...

Current configuration : 3798 bytes
!
version 12.1
no service pad
service timestamps debug uptime
service timestamps log uptime
no service password-encryption
!
hostname ASW1
!
no logging console
!
ip subnet-zero
!
vtp domain netlearning
vtp mode transparent
!
!
spanning-tree mode pvst
no spanning-tree optimize bpdu transmission
spanning-tree extend system-id
spanning-tree vlan 10 priority 61440
!
!
!
!
vlan 10,20,100,200
!
interface Port-channel1
  switchport trunk allowed vlan 10,200
  switchport mode trunk
  shutdown
  flowcontrol send off
!
interface Port-channel2
  switchport trunk allowed vlan 10,200
  switchport mode trunk
  shutdown
  flowcontrol send off
!
interface FastEthernet0/1
  switchport access vlan 10
  switchport mode access
  switchport port-security
  spanning-tree portfast
!
interface FastEthernet0/2
  switchport access vlan 10
  switchport mode access
```

```
switchport port-security
spanning-tree portfast
!
interface FastEthernet0/3
switchport access vlan 10
switchport mode access
switchport port-security
spanning-tree portfast
!
interface FastEthernet0/4
switchport access vlan 10
switchport mode access
switchport port-security
spanning-tree portfast
!
interface FastEthernet0/5
switchport access vlan 10
switchport mode access
switchport port-security
spanning-tree portfast
!
interface FastEthernet0/6
switchport access vlan 10
switchport mode access
switchport port-security
spanning-tree portfast
!
interface FastEthernet0/7
switchport access vlan 10
switchport mode access
switchport port-security
spanning-tree portfast
!
interface FastEthernet0/8
switchport access vlan 10
switchport mode access
switchport port-security
spanning-tree portfast
!
interface FastEthernet0/9
switchport access vlan 10
switchport mode access
switchport port-security
spanning-tree portfast
!
interface FastEthernet0/10
switchport access vlan 10
switchport mode access
switchport port-security
spanning-tree portfast
!
interface FastEthernet0/11
switchport access vlan 10
switchport mode access
```

```
switchport port-security
spanning-tree portfast
!
interface FastEthernet0/12
switchport access vlan 10
switchport mode access
switchport port-security
spanning-tree portfast
!
interface FastEthernet0/13
switchport access vlan 10
switchport mode access
switchport port-security
spanning-tree portfast
!
interface FastEthernet0/14
switchport access vlan 10
switchport mode access
switchport port-security
spanning-tree portfast
!
interface FastEthernet0/15
switchport access vlan 10
switchport mode access
switchport port-security
spanning-tree portfast
!
interface FastEthernet0/16
switchport trunk allowed vlan 10,200
switchport mode trunk
shutdown
channel-group 2 mode passive
!
interface FastEthernet0/17
switchport trunk allowed vlan 10,200
switchport mode trunk
shutdown
channel-group 2 mode passive
!
interface FastEthernet0/18
switchport trunk allowed vlan 10,200
switchport mode trunk
shutdown
channel-group 2 mode passive
!
interface FastEthernet0/19
switchport trunk allowed vlan 10,200
switchport mode trunk
shutdown
channel-group 1 mode passive
!
interface FastEthernet0/20
switchport trunk allowed vlan 10,200
switchport mode trunk
```

```
shutdown
channel-group 1 mode passive
!
interface FastEthernet0/21
switchport trunk allowed vlan 10,200
switchport mode trunk
shutdown
channel-group 1 mode passive
!
interface FastEthernet0/22
switchport mode trunk
shutdown
!
interface FastEthernet0/23
switchport mode trunk
shutdown
!
interface FastEthernet0/24
switchport mode trunk
shutdown
!
interface Vlan1
no ip address
no ip route-cache
shutdown
!
interface Vlan200
ip address 192.168.1.131 255.255.255.224
no ip route-cache
!
ip http server
!
line con 0
exec-timeout 0 0
logging synchronous
line vty 0 4
login
line vty 5 15
login
!
!
end
```

ASW1#

```
ASW1#show ip interface brief
```

| Interface       | IP-Address    | OK? | Method | Status           |
|-----------------|---------------|-----|--------|------------------|
| Vlan1           | unassigned    | YES | NVRAM  | administratively |
| down            |               |     |        | down             |
| Vlan200         | 192.168.1.131 | YES | NVRAM  | up               |
| up              |               |     |        |                  |
| FastEthernet0/1 | unassigned    | YES | unset  | up               |
| up              |               |     |        |                  |
| FastEthernet0/2 | unassigned    | YES | unset  | down             |
| down            |               |     |        |                  |
| FastEthernet0/3 | unassigned    | YES | unset  | down             |
| down            |               |     |        |                  |
| FastEthernet0/4 | unassigned    | YES | unset  | down             |
| down            |               |     |        |                  |
| FastEthernet0/5 | unassigned    | YES | unset  | down             |
| down            |               |     |        |                  |
| FastEthernet0/6 | unassigned    | YES | unset  | down             |
| down            |               |     |        |                  |
| FastEthernet0/7 | unassigned    | YES | unset  | down             |
| down            |               |     |        |                  |
| FastEthernet0/8 | unassigned    | YES | unset  | down             |
| down            |               |     |        |                  |

|                               |            |     |       |                  |
|-------------------------------|------------|-----|-------|------------------|
| FastEthernet0/9<br>down       | unassigned | YES | unset | down             |
| FastEthernet0/10<br>down      | unassigned | YES | unset | down             |
| FastEthernet0/11<br>down      | unassigned | YES | unset | down             |
| FastEthernet0/12<br>down      | unassigned | YES | unset | down             |
| FastEthernet0/13<br>down      | unassigned | YES | unset | down             |
| FastEthernet0/14<br>down      | unassigned | YES | unset | down             |
| FastEthernet0/15<br>down      | unassigned | YES | unset | down             |
| FastEthernet0/16<br>down down | unassigned | YES | unset | administratively |
| FastEthernet0/17<br>down down | unassigned | YES | unset | administratively |
| FastEthernet0/18<br>down down | unassigned | YES | unset | administratively |
| FastEthernet0/19<br>down down | unassigned | YES | unset | administratively |
| FastEthernet0/20<br>down down | unassigned | YES | unset | administratively |
| FastEthernet0/21<br>down down | unassigned | YES | unset | administratively |
| FastEthernet0/22<br>down down | unassigned | YES | unset | administratively |
| FastEthernet0/23<br>down down | unassigned | YES | unset | administratively |
| FastEthernet0/24<br>down down | unassigned | YES | unset | administratively |
| Port-channel1<br>down down    | unassigned | YES | unset | administratively |
| Port-channel2<br>down down    | unassigned | YES | unset | administratively |

ASW1#

ASW1#show processes cpu

CPU utilization for five seconds: 2%/1%; one minute: 2%; five minutes: 1%

| PID        | Runtime (ms) | Invoked | uSecs | 5Sec  | 1Min  | 5Min  | TTY | Process    |
|------------|--------------|---------|-------|-------|-------|-------|-----|------------|
| 1          | 0            | 1       | 0     | 0.00% | 0.00% | 0.00% | 0   | Chunk      |
| Manager    |              |         |       |       |       |       |     |            |
| 2          | 4            | 3287    | 1     | 0.00% | 0.00% | 0.00% | 0   | Load Meter |
| 3          | 248          | 68      | 3647  | 0.00% | 0.00% | 0.00% | 0   | SpanTree   |
| Helper     |              |         |       |       |       |       |     |            |
| 4          | 4456         | 1677    | 2657  | 0.00% | 0.01% | 0.00% | 0   | Check      |
| heaps      |              |         |       |       |       |       |     |            |
| 5          | 8            | 5       | 1600  | 0.00% | 0.00% | 0.00% | 0   | Pool       |
| Manager    |              |         |       |       |       |       |     |            |
| 6          | 4            | 2       | 2000  | 0.00% | 0.00% | 0.00% | 0   | Timers     |
| 7          | 32           | 3       | 10666 | 0.00% | 0.00% | 0.00% | 0   | Entity MIB |
| API        |              |         |       |       |       |       |     |            |
| 8          | 120          | 4108    | 29    | 0.00% | 0.00% | 0.00% | 0   | HC Counter |
| Timer      |              |         |       |       |       |       |     |            |
| 9          | 12           | 281     | 42    | 0.00% | 0.00% | 0.00% | 0   | ARP Input  |
| 10         | 0            | 1       | 0     | 0.00% | 0.00% | 0.00% | 0   | Net Input  |
| 11         | 0            | 1       | 0     | 0.00% | 0.00% | 0.00% | 0   | Critical   |
| Bkgnd      |              |         |       |       |       |       |     |            |
| 12         | 5000         | 8446    | 591   | 0.00% | 0.00% | 0.00% | 0   | Net        |
| Background |              |         |       |       |       |       |     |            |
| 13         | 0            | 114     | 0     | 0.00% | 0.00% | 0.00% | 0   | Logger     |
| 14         | 168          | 16426   | 10    | 0.00% | 0.00% | 0.00% | 0   | TTY        |
| Background |              |         |       |       |       |       |     |            |
| 15         | 124          | 16436   | 7     | 0.00% | 0.00% | 0.00% | 0   | Per-Second |
| Jobs       |              |         |       |       |       |       |     |            |
| 16         | 60           | 3288    | 18    | 0.00% | 0.00% | 0.00% | 0   | Compute    |
| load avg   |              |         |       |       |       |       |     |            |





```
ASW1#show interfaces
Vlan1 is administratively down, line protocol is down
  Hardware is CPU Interface, address is 0015.faac.46c0 (bia
0015.faac.46c0)
  MTU 1500 bytes, BW 1000000 Kbit, DLY 10 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  ARP type: ARPA, ARP Timeout 04:00:00
  Last input never, output never, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
  Queueing strategy: fifo
  Output queue: 0/40 (size/max)
  5 minute input rate 0 bits/sec, 0 packets/sec
  5 minute output rate 0 bits/sec, 0 packets/sec
    0 packets input, 0 bytes, 0 no buffer
    Received 0 broadcasts (0 IP multicast)
    0 runts, 0 giants, 0 throttles
    0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
    0 packets output, 0 bytes, 0 underruns
    0 output errors, 3 interface resets
    0 output buffer failures, 0 output buffers swapped out
Vlan200 is up, line protocol is up
  Hardware is CPU Interface, address is 0015.faac.46c0 (bia
0015.faac.46c0)
  Internet address is 192.168.1.131/27
  MTU 1500 bytes, BW 1000000 Kbit, DLY 10 usec,
    reliability 255/255, txload 1/255, rxload 1/255
```

```
Encapsulation ARPA, loopback not set
ARP type: ARPA, ARP Timeout 04:00:00
Last input 00:38:37, output never, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  42195 packets input, 3438377 bytes, 0 no buffer
  Received 3 broadcasts (0 IP multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  42308 packets output, 25961562 bytes, 0 underruns
  0 output errors, 2 interface resets
  0 output buffer failures, 0 output buffers swapped out
FastEthernet0/1 is up, line protocol is up (connected)
  Hardware is Fast Ethernet, address is 0015.faac.46c1 (bia
0015.faac.46c1)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
    reliability 255/255, txload 1/255, rxload 1/255
Encapsulation ARPA, loopback not set
Keepalive set (10 sec)
Full-duplex, 100Mb/s, media type is 100BaseTX
input flow-control is unsupported output flow-control is unsupported
ARP type: ARPA, ARP Timeout 04:00:00
Last input 04:34:00, output 00:00:00, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  3847 packets input, 356321 bytes, 0 no buffer
  Received 2077 broadcasts (0 multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 watchdog, 1495 multicast, 0 pause input
  0 input packets with dribble condition detected
  29176 packets output, 2114346 bytes, 0 underruns
  0 output errors, 0 collisions, 2 interface resets
  0 babbles, 0 late collision, 0 deferred
  0 lost carrier, 0 no carrier, 0 PAUSE output
  0 output buffer failures, 0 output buffers swapped out
FastEthernet0/2 is down, line protocol is down (notconnect)
  Hardware is Fast Ethernet, address is 0015.faac.46c2 (bia
0015.faac.46c2)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
    reliability 255/255, txload 1/255, rxload 1/255
Encapsulation ARPA, loopback not set
Keepalive set (10 sec)
Auto-duplex, Auto-speed, media type is 100BaseTX
input flow-control is unsupported output flow-control is unsupported
ARP type: ARPA, ARP Timeout 04:00:00
```

```
Last input never, output 04:34:08, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  1 packets input, 64 bytes, 0 no buffer
  Received 0 broadcasts (0 multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 watchdog, 0 multicast, 0 pause input
  0 input packets with dribble condition detected
  1 packets output, 64 bytes, 0 underruns
  0 output errors, 0 collisions, 2 interface resets
  0 babbles, 0 late collision, 0 deferred
  0 lost carrier, 0 no carrier, 0 PAUSE output
  0 output buffer failures, 0 output buffers swapped out
FastEthernet0/3 is down, line protocol is down (notconnect)
  Hardware is Fast Ethernet, address is 0015.faac.46c3 (bia
0015.faac.46c3)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  Keepalive set (10 sec)
  Auto-duplex, Auto-speed, media type is 100BaseTX
  input flow-control is unsupported output flow-control is unsupported
  ARP type: ARPA, ARP Timeout 04:00:00
  Last input never, output 04:34:10, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
  Queueing strategy: fifo
  Output queue: 0/40 (size/max)
  5 minute input rate 0 bits/sec, 0 packets/sec
  5 minute output rate 0 bits/sec, 0 packets/sec
    1 packets input, 64 bytes, 0 no buffer
    Received 0 broadcasts (0 multicast)
    0 runts, 0 giants, 0 throttles
    0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
    0 watchdog, 0 multicast, 0 pause input
    0 input packets with dribble condition detected
    1 packets output, 64 bytes, 0 underruns
    0 output errors, 0 collisions, 2 interface resets
    0 babbles, 0 late collision, 0 deferred
    0 lost carrier, 0 no carrier, 0 PAUSE output
    0 output buffer failures, 0 output buffers swapped out
FastEthernet0/4 is down, line protocol is down (notconnect)
  Hardware is Fast Ethernet, address is 0015.faac.46c4 (bia
0015.faac.46c4)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  Keepalive set (10 sec)
  Auto-duplex, Auto-speed, media type is 100BaseTX
```

```
input flow-control is unsupported output flow-control is unsupported
ARP type: ARPA, ARP Timeout 04:00:00
Last input never, output 04:34:11, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  1 packets input, 64 bytes, 0 no buffer
  Received 0 broadcasts (0 multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 watchdog, 0 multicast, 0 pause input
  0 input packets with dribble condition detected
  1 packets output, 64 bytes, 0 underruns
  0 output errors, 0 collisions, 2 interface resets
  0 babbles, 0 late collision, 0 deferred
  0 lost carrier, 0 no carrier, 0 PAUSE output
  0 output buffer failures, 0 output buffers swapped out
FastEthernet0/5 is down, line protocol is down (notconnect)
  Hardware is Fast Ethernet, address is 0015.faac.46c5 (bia
0015.faac.46c5)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  Keepalive set (10 sec)
  Auto-duplex, Auto-speed, media type is 100BaseTX
input flow-control is unsupported output flow-control is unsupported
ARP type: ARPA, ARP Timeout 04:00:00
Last input never, output 04:34:13, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  1 packets input, 64 bytes, 0 no buffer
  Received 0 broadcasts (0 multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 watchdog, 0 multicast, 0 pause input
  0 input packets with dribble condition detected
  1 packets output, 64 bytes, 0 underruns
  0 output errors, 0 collisions, 2 interface resets
  0 babbles, 0 late collision, 0 deferred
  0 lost carrier, 0 no carrier, 0 PAUSE output
  0 output buffer failures, 0 output buffers swapped out
FastEthernet0/6 is down, line protocol is down (notconnect)
  Hardware is Fast Ethernet, address is 0015.faac.46c6 (bia
0015.faac.46c6)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
```

```
Keepalive set (10 sec)
Auto-duplex, Auto-speed, media type is 100BaseTX
input flow-control is unsupported output flow-control is unsupported
ARP type: ARPA, ARP Timeout 04:00:00
Last input never, output 04:34:14, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  1 packets input, 64 bytes, 0 no buffer
  Received 0 broadcasts (0 multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 watchdog, 0 multicast, 0 pause input
  0 input packets with dribble condition detected
  1 packets output, 64 bytes, 0 underruns
  0 output errors, 0 collisions, 2 interface resets
  0 babbles, 0 late collision, 0 deferred
  0 lost carrier, 0 no carrier, 0 PAUSE output
  0 output buffer failures, 0 output buffers swapped out
FastEthernet0/7 is down, line protocol is down (notconnect)
  Hardware is Fast Ethernet, address is 0015.faac.46c7 (bia
0015.faac.46c7)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  Keepalive set (10 sec)
  Auto-duplex, Auto-speed, media type is 100BaseTX
  input flow-control is unsupported output flow-control is unsupported
  ARP type: ARPA, ARP Timeout 04:00:00
  Last input never, output 04:34:16, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
  Queueing strategy: fifo
  Output queue: 0/40 (size/max)
  5 minute input rate 0 bits/sec, 0 packets/sec
  5 minute output rate 0 bits/sec, 0 packets/sec
    1 packets input, 64 bytes, 0 no buffer
    Received 0 broadcasts (0 multicast)
    0 runts, 0 giants, 0 throttles
    0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
    0 watchdog, 0 multicast, 0 pause input
    0 input packets with dribble condition detected
    1 packets output, 64 bytes, 0 underruns
    0 output errors, 0 collisions, 2 interface resets
    0 babbles, 0 late collision, 0 deferred
    0 lost carrier, 0 no carrier, 0 PAUSE output
    0 output buffer failures, 0 output buffers swapped out
FastEthernet0/8 is down, line protocol is down (notconnect)
  Hardware is Fast Ethernet, address is 0015.faac.46c8 (bia
0015.faac.46c8)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
```

```
reliability 255/255, txload 1/255, rxload 1/255
Encapsulation ARPA, loopback not set
Keepalive set (10 sec)
Auto-duplex, Auto-speed, media type is 100BaseTX
input flow-control is unsupported output flow-control is unsupported
ARP type: ARPA, ARP Timeout 04:00:00
Last input never, output 04:34:17, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  1 packets input, 64 bytes, 0 no buffer
  Received 0 broadcasts (0 multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 watchdog, 0 multicast, 0 pause input
  0 input packets with dribble condition detected
  1 packets output, 64 bytes, 0 underruns
  0 output errors, 0 collisions, 2 interface resets
  0 babbles, 0 late collision, 0 deferred
  0 lost carrier, 0 no carrier, 0 PAUSE output
  0 output buffer failures, 0 output buffers swapped out
FastEthernet0/9 is down, line protocol is down (notconnect)
  Hardware is Fast Ethernet, address is 0015.faac.46c9 (bia
0015.faac.46c9)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
  reliability 255/255, txload 1/255, rxload 1/255
Encapsulation ARPA, loopback not set
Keepalive set (10 sec)
Auto-duplex, Auto-speed, media type is 100BaseTX
input flow-control is unsupported output flow-control is unsupported
ARP type: ARPA, ARP Timeout 04:00:00
Last input never, output 04:34:19, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  1 packets input, 64 bytes, 0 no buffer
  Received 0 broadcasts (0 multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 watchdog, 0 multicast, 0 pause input
  0 input packets with dribble condition detected
  1 packets output, 64 bytes, 0 underruns
  0 output errors, 0 collisions, 2 interface resets
  0 babbles, 0 late collision, 0 deferred
  0 lost carrier, 0 no carrier, 0 PAUSE output
  0 output buffer failures, 0 output buffers swapped out
FastEthernet0/10 is down, line protocol is down (notconnect)
```

Hardware is Fast Ethernet, address is 0015.faac.46ca (bia 0015.faac.46ca)  
MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,  
reliability 255/255, txload 1/255, rxload 1/255  
Encapsulation ARPA, loopback not set  
Keepalive set (10 sec)  
Auto-duplex, Auto-speed, media type is 100BaseTX  
input flow-control is unsupported output flow-control is unsupported  
ARP type: ARPA, ARP Timeout 04:00:00  
Last input never, output 04:34:20, output hang never  
Last clearing of "show interface" counters never  
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0  
Queueing strategy: fifo  
Output queue: 0/40 (size/max)  
5 minute input rate 0 bits/sec, 0 packets/sec  
5 minute output rate 0 bits/sec, 0 packets/sec  
1 packets input, 64 bytes, 0 no buffer  
Received 0 broadcasts (0 multicast)  
0 runts, 0 giants, 0 throttles  
0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored  
0 watchdog, 0 multicast, 0 pause input  
0 input packets with dribble condition detected  
1 packets output, 64 bytes, 0 underruns  
0 output errors, 0 collisions, 2 interface resets  
0 babbles, 0 late collision, 0 deferred  
0 lost carrier, 0 no carrier, 0 PAUSE output  
0 output buffer failures, 0 output buffers swapped out  
FastEthernet0/11 is down, line protocol is down (notconnect)  
Hardware is Fast Ethernet, address is 0015.faac.46cb (bia 0015.faac.46cb)

MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,  
reliability 255/255, txload 1/255, rxload 1/255  
Encapsulation ARPA, loopback not set  
Keepalive set (10 sec)  
Auto-duplex, Auto-speed, media type is 100BaseTX  
input flow-control is unsupported output flow-control is unsupported  
ARP type: ARPA, ARP Timeout 04:00:00  
Last input never, output 04:34:22, output hang never  
Last clearing of "show interface" counters never  
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0  
Queueing strategy: fifo  
Output queue: 0/40 (size/max)  
5 minute input rate 0 bits/sec, 0 packets/sec  
5 minute output rate 0 bits/sec, 0 packets/sec  
1 packets input, 64 bytes, 0 no buffer  
Received 0 broadcasts (0 multicast)  
0 runts, 0 giants, 0 throttles  
0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored  
0 watchdog, 0 multicast, 0 pause input  
0 input packets with dribble condition detected  
1 packets output, 64 bytes, 0 underruns  
0 output errors, 0 collisions, 2 interface resets  
0 babbles, 0 late collision, 0 deferred  
0 lost carrier, 0 no carrier, 0 PAUSE output

```
0 output buffer failures, 0 output buffers swapped out
FastEthernet0/12 is down, line protocol is down (notconnect)
Hardware is Fast Ethernet, address is 0015.faac.46cc (bia
0015.faac.46cc)
MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
  reliability 255/255, txload 1/255, rxload 1/255
Encapsulation ARPA, loopback not set
Keepalive set (10 sec)
Auto-duplex, Auto-speed, media type is 100BaseTX
input flow-control is unsupported output flow-control is unsupported
ARP type: ARPA, ARP Timeout 04:00:00
Last input never, output 04:34:23, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  1 packets input, 64 bytes, 0 no buffer
  Received 0 broadcasts (0 multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 watchdog, 0 multicast, 0 pause input
  0 input packets with dribble condition detected
  1 packets output, 64 bytes, 0 underruns
  0 output errors, 0 collisions, 2 interface resets
  0 babbles, 0 late collision, 0 deferred
  0 lost carrier, 0 no carrier, 0 PAUSE output
  0 output buffer failures, 0 output buffers swapped out
FastEthernet0/13 is down, line protocol is down (notconnect)
Hardware is Fast Ethernet, address is 0015.faac.46cd (bia
0015.faac.46cd)
MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
  reliability 255/255, txload 1/255, rxload 1/255
Encapsulation ARPA, loopback not set
Keepalive set (10 sec)
Auto-duplex, Auto-speed, media type is 100BaseTX
input flow-control is unsupported output flow-control is unsupported
ARP type: ARPA, ARP Timeout 04:00:00
Last input never, output 04:34:25, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  1 packets input, 64 bytes, 0 no buffer
  Received 0 broadcasts (0 multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 watchdog, 0 multicast, 0 pause input
  0 input packets with dribble condition detected
  1 packets output, 64 bytes, 0 underruns
  0 output errors, 0 collisions, 2 interface resets
```

```
    0 babbles, 0 late collision, 0 deferred
    0 lost carrier, 0 no carrier, 0 PAUSE output
    0 output buffer failures, 0 output buffers swapped out
FastEthernet0/14 is down, line protocol is down (notconnect)
  Hardware is Fast Ethernet, address is 0015.faac.46ce (bia
0015.faac.46ce)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  Keepalive set (10 sec)
  Auto-duplex, Auto-speed, media type is 100BaseTX
  input flow-control is unsupported output flow-control is unsupported
  ARP type: ARPA, ARP Timeout 04:00:00
  Last input never, output 04:34:27, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
  Queueing strategy: fifo
  Output queue: 0/40 (size/max)
  5 minute input rate 0 bits/sec, 0 packets/sec
  5 minute output rate 0 bits/sec, 0 packets/sec
    1 packets input, 64 bytes, 0 no buffer
  Received 0 broadcasts (0 multicast)
    0 runts, 0 giants, 0 throttles
    0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
    0 watchdog, 0 multicast, 0 pause input
    0 input packets with dribble condition detected
    1 packets output, 64 bytes, 0 underruns
    0 output errors, 0 collisions, 2 interface resets
    0 babbles, 0 late collision, 0 deferred
    0 lost carrier, 0 no carrier, 0 PAUSE output
    0 output buffer failures, 0 output buffers swapped out
FastEthernet0/15 is down, line protocol is down (notconnect)
  Hardware is Fast Ethernet, address is 0015.faac.46cf (bia
0015.faac.46cf)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  Keepalive set (10 sec)
  Auto-duplex, Auto-speed, media type is 100BaseTX
  input flow-control is unsupported output flow-control is unsupported
  ARP type: ARPA, ARP Timeout 04:00:00
  Last input never, output 04:34:28, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
  Queueing strategy: fifo
  Output queue: 0/40 (size/max)
  5 minute input rate 0 bits/sec, 0 packets/sec
  5 minute output rate 0 bits/sec, 0 packets/sec
    1 packets input, 64 bytes, 0 no buffer
  Received 0 broadcasts (0 multicast)
    0 runts, 0 giants, 0 throttles
    0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
    0 watchdog, 0 multicast, 0 pause input
    0 input packets with dribble condition detected
```

```
    1 packets output, 64 bytes, 0 underruns
    0 output errors, 0 collisions, 2 interface resets
    0 babbles, 0 late collision, 0 deferred
    0 lost carrier, 0 no carrier, 0 PAUSE output
    0 output buffer failures, 0 output buffers swapped out
FastEthernet0/16 is administratively down, line protocol is down
(disabled)
  Hardware is Fast Ethernet, address is 0015.faac.46d0 (bia
0015.faac.46d0)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  Keepalive set (10 sec)
  Auto-duplex, Auto-speed, media type is 100BaseTX
  input flow-control is unsupported output flow-control is unsupported
  ARP type: ARPA, ARP Timeout 04:00:00
  Last input 00:33:31, output 00:33:26, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
  Queueing strategy: fifo
  Output queue: 0/40 (size/max)
  5 minute input rate 0 bits/sec, 0 packets/sec
  5 minute output rate 0 bits/sec, 0 packets/sec
    11849 packets input, 983677 bytes, 0 no buffer
    Received 10386 broadcasts (0 multicast)
    0 runts, 0 giants, 0 throttles
    0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
    0 watchdog, 10347 multicast, 0 pause input
    0 input packets with dribble condition detected
    26279 packets output, 2056476 bytes, 0 underruns
    0 output errors, 0 collisions, 5 interface resets
    0 babbles, 0 late collision, 0 deferred
    0 lost carrier, 0 no carrier, 0 PAUSE output
    0 output buffer failures, 0 output buffers swapped out
FastEthernet0/17 is administratively down, line protocol is down
(disabled)
  Hardware is Fast Ethernet, address is 0015.faac.46d1 (bia
0015.faac.46d1)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  Keepalive set (10 sec)
  Auto-duplex, Auto-speed, media type is 100BaseTX
  input flow-control is unsupported output flow-control is unsupported
  ARP type: ARPA, ARP Timeout 04:00:00
  Last input 00:33:29, output 00:33:27, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
  Queueing strategy: fifo
  Output queue: 0/40 (size/max)
  5 minute input rate 0 bits/sec, 0 packets/sec
  5 minute output rate 0 bits/sec, 0 packets/sec
    3128 packets input, 325354 bytes, 0 no buffer
    Received 1697 broadcasts (0 multicast)
```

```
0 runts, 0 giants, 0 throttles
0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
0 watchdog, 1690 multicast, 0 pause input
0 input packets with dribble condition detected
2903 packets output, 311646 bytes, 0 underruns
0 output errors, 0 collisions, 5 interface resets
0 babbles, 0 late collision, 0 deferred
0 lost carrier, 0 no carrier, 0 PAUSE output
0 output buffer failures, 0 output buffers swapped out
FastEthernet0/18 is administratively down, line protocol is down
(disabled)
Hardware is Fast Ethernet, address is 0015.faac.46d2 (bia
0015.faac.46d2)
MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
  reliability 255/255, txload 1/255, rxload 1/255
Encapsulation ARPA, loopback not set
Keepalive set (10 sec)
Auto-duplex, Auto-speed, media type is 100BaseTX
input flow-control is unsupported output flow-control is unsupported
ARP type: ARPA, ARP Timeout 04:00:00
Last input 00:33:48, output 00:33:29, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
 3679 packets input, 370317 bytes, 0 no buffer
Received 1458 broadcasts (0 multicast)
0 runts, 0 giants, 0 throttles
0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
0 watchdog, 1454 multicast, 0 pause input
0 input packets with dribble condition detected
3276 packets output, 343457 bytes, 0 underruns
0 output errors, 0 collisions, 5 interface resets
0 babbles, 0 late collision, 0 deferred
0 lost carrier, 0 no carrier, 0 PAUSE output
0 output buffer failures, 0 output buffers swapped out
FastEthernet0/19 is administratively down, line protocol is down
(disabled)
Hardware is Fast Ethernet, address is 0015.faac.46d3 (bia
0015.faac.46d3)
MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
  reliability 255/255, txload 1/255, rxload 1/255
Encapsulation ARPA, loopback not set
Keepalive set (10 sec)
Auto-duplex, Auto-speed, media type is 100BaseTX
input flow-control is unsupported output flow-control is unsupported
ARP type: ARPA, ARP Timeout 04:00:00
Last input 00:33:48, output 00:33:34, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
```

```
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  26459 packets input, 2036349 bytes, 0 no buffer
  Received 24395 broadcasts (0 multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 watchdog, 24335 multicast, 0 pause input
  0 input packets with dribble condition detected
  2698 packets output, 291189 bytes, 0 underruns
  0 output errors, 0 collisions, 5 interface resets
  0 babbles, 0 late collision, 0 deferred
  0 lost carrier, 0 no carrier, 0 PAUSE output
  0 output buffer failures, 0 output buffers swapped out
FastEthernet0/20 is administratively down, line protocol is down
(disabled)
  Hardware is Fast Ethernet, address is 0015.faac.46d4 (bia
0015.faac.46d4)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  Keepalive set (10 sec)
  Auto-duplex, Auto-speed, media type is 100BaseTX
  input flow-control is unsupported output flow-control is unsupported
  ARP type: ARPA, ARP Timeout 04:00:00
  Last input 00:33:48, output 00:33:36, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
  Queueing strategy: fifo
  Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  3470 packets input, 347015 bytes, 0 no buffer
  Received 1774 broadcasts (0 multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 watchdog, 1763 multicast, 0 pause input
  0 input packets with dribble condition detected
  12394 packets output, 1044880 bytes, 0 underruns
  0 output errors, 0 collisions, 5 interface resets
  0 babbles, 0 late collision, 0 deferred
  0 lost carrier, 0 no carrier, 0 PAUSE output
  0 output buffer failures, 0 output buffers swapped out
FastEthernet0/21 is administratively down, line protocol is down
(disabled)
  Hardware is Fast Ethernet, address is 0015.faac.46d5 (bia
0015.faac.46d5)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  Keepalive set (10 sec)
  Auto-duplex, Auto-speed, media type is 100BaseTX
  input flow-control is unsupported output flow-control is unsupported
  ARP type: ARPA, ARP Timeout 04:00:00
  Last input 00:33:46, output 00:33:38, output hang never
```

Last clearing of "show interface" counters never  
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0  
Queueing strategy: fifo  
Output queue: 0/40 (size/max)  
5 minute input rate 0 bits/sec, 0 packets/sec  
5 minute output rate 0 bits/sec, 0 packets/sec  
3125 packets input, 324120 bytes, 0 no buffer  
Received 1648 broadcasts (0 multicast)  
0 runts, 0 giants, 0 throttles  
0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored  
0 watchdog, 1642 multicast, 0 pause input  
0 input packets with dribble condition detected  
4766 packets output, 468269 bytes, 0 underruns  
0 output errors, 0 collisions, 5 interface resets  
0 babbles, 0 late collision, 0 deferred  
0 lost carrier, 0 no carrier, 0 PAUSE output  
0 output buffer failures, 0 output buffers swapped out  
FastEthernet0/22 is administratively down, line protocol is down  
(disabled)

Hardware is Fast Ethernet, address is 0015.faac.46d6 (bia  
0015.faac.46d6)  
MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,  
reliability 255/255, txload 1/255, rxload 1/255  
Encapsulation ARPA, loopback not set  
Keepalive set (10 sec)  
Auto-duplex, Auto-speed, media type is 100BaseTX  
input flow-control is unsupported output flow-control is unsupported  
ARP type: ARPA, ARP Timeout 04:00:00  
Last input never, output 04:34:39, output hang never  
Last clearing of "show interface" counters never  
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0  
Queueing strategy: fifo  
Output queue: 0/40 (size/max)  
5 minute input rate 0 bits/sec, 0 packets/sec  
5 minute output rate 0 bits/sec, 0 packets/sec  
1 packets input, 64 bytes, 0 no buffer  
Received 0 broadcasts (0 multicast)  
0 runts, 0 giants, 0 throttles  
0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored  
0 watchdog, 0 multicast, 0 pause input  
0 input packets with dribble condition detected  
1 packets output, 64 bytes, 0 underruns  
0 output errors, 0 collisions, 2 interface resets  
0 babbles, 0 late collision, 0 deferred  
0 lost carrier, 0 no carrier, 0 PAUSE output  
0 output buffer failures, 0 output buffers swapped out  
FastEthernet0/23 is administratively down, line protocol is down  
(disabled)

Hardware is Fast Ethernet, address is 0015.faac.46d7 (bia  
0015.faac.46d7)  
MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,  
reliability 255/255, txload 1/255, rxload 1/255  
Encapsulation ARPA, loopback not set  
Keepalive set (10 sec)

```
Auto-duplex, Auto-speed, media type is 100BaseTX
input flow-control is unsupported output flow-control is unsupported
ARP type: ARPA, ARP Timeout 04:00:00
Last input never, output 04:34:41, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  1 packets input, 64 bytes, 0 no buffer
  Received 0 broadcasts (0 multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 watchdog, 0 multicast, 0 pause input
  0 input packets with dribble condition detected
  1 packets output, 64 bytes, 0 underruns
  0 output errors, 0 collisions, 2 interface resets
  0 babbles, 0 late collision, 0 deferred
  0 lost carrier, 0 no carrier, 0 PAUSE output
  0 output buffer failures, 0 output buffers swapped out
FastEthernet0/24 is administratively down, line protocol is down
(disabled)
  Hardware is Fast Ethernet, address is 0015.faac.46d8 (bia
0015.faac.46d8)
  MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  Keepalive set (10 sec)
Auto-duplex, Auto-speed, media type is 100BaseTX
input flow-control is unsupported output flow-control is unsupported
ARP type: ARPA, ARP Timeout 04:00:00
Last input never, output 04:34:43, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  1 packets input, 64 bytes, 0 no buffer
  Received 0 broadcasts (0 multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 watchdog, 0 multicast, 0 pause input
  0 input packets with dribble condition detected
  1 packets output, 64 bytes, 0 underruns
  0 output errors, 0 collisions, 2 interface resets
  0 babbles, 0 late collision, 0 deferred
  0 lost carrier, 0 no carrier, 0 PAUSE output
  0 output buffer failures, 0 output buffers swapped out
Port-channell is administratively down, line protocol is down (disabled)
  Hardware is EtherChannel, address is 0015.faac.46d5 (bia
0015.faac.46d5)
  MTU 1500 bytes, BW 100000 Kbit, DLY 1000 usec,
```

```
reliability 255/255, txload 1/255, rxload 1/255
Encapsulation ARPA, loopback not set
Auto-duplex, Auto-speed, media type is unknown media type
input flow-control is off, output flow-control is off
ARP type: ARPA, ARP Timeout 04:00:00
Last input 00:33:44, output 00:33:47, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  31728 packets input, 2597453 bytes, 0 no buffer
  Received 26566 broadcasts (0 multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 watchdog, 26533 multicast, 0 pause input
  0 input packets with dribble condition detected
  19614 packets output, 1779429 bytes, 0 underruns
  0 output errors, 0 collisions, 4 interface resets
  0 babbles, 0 late collision, 0 deferred
  0 lost carrier, 0 no carrier, 0 PAUSE output
  0 output buffer failures, 0 output buffers swapped out
Port-channel2 is administratively down, line protocol is down (disabled)
Hardware is EtherChannel, address is 0015.faac.46d2 (bia
0015.faac.46d2)
MTU 1500 bytes, BW 100000 Kbit, DLY 1000 usec,
  reliability 255/255, txload 1/255, rxload 1/255
Encapsulation ARPA, loopback not set
Auto-duplex, Auto-speed, media type is unknown media type
input flow-control is off, output flow-control is off
ARP type: ARPA, ARP Timeout 04:00:00
Last input 00:34:20, output 00:33:42, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
  17683 packets input, 1595398 bytes, 0 no buffer
  Received 12615 broadcasts (0 multicast)
  0 runts, 0 giants, 0 throttles
  0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
  0 watchdog, 12579 multicast, 0 pause input
  0 input packets with dribble condition detected
  31606 packets output, 2629461 bytes, 0 underruns
  0 output errors, 0 collisions, 4 interface resets
  0 babbles, 0 late collision, 0 deferred
  0 lost carrier, 0 no carrier, 0 PAUSE output
  0 output buffer failures, 0 output buffers swapped out
```

ASW1#

```
ASW1#show interfaces counters errors
```

| Port   | Align-Err | FCS-Err | Xmit-Err | Rcv-Err | UnderSize |
|--------|-----------|---------|----------|---------|-----------|
| Fa0/1  | 0         | 0       | 0        | 0       | 0         |
| Fa0/2  | 0         | 0       | 0        | 0       | 0         |
| Fa0/3  | 0         | 0       | 0        | 0       | 0         |
| Fa0/4  | 0         | 0       | 0        | 0       | 0         |
| Fa0/5  | 0         | 0       | 0        | 0       | 0         |
| Fa0/6  | 0         | 0       | 0        | 0       | 0         |
| Fa0/7  | 0         | 0       | 0        | 0       | 0         |
| Fa0/8  | 0         | 0       | 0        | 0       | 0         |
| Fa0/9  | 0         | 0       | 0        | 0       | 0         |
| Fa0/10 | 0         | 0       | 0        | 0       | 0         |
| Fa0/11 | 0         | 0       | 0        | 0       | 0         |
| Fa0/12 | 0         | 0       | 0        | 0       | 0         |
| Fa0/13 | 0         | 0       | 0        | 0       | 0         |

|        |   |   |   |   |   |
|--------|---|---|---|---|---|
| Fa0/14 | 0 | 0 | 0 | 0 | 0 |
| Fa0/15 | 0 | 0 | 0 | 0 | 0 |
| Fa0/16 | 0 | 0 | 0 | 0 | 0 |
| Fa0/17 | 0 | 0 | 0 | 0 | 0 |
| Fa0/18 | 0 | 0 | 0 | 0 | 0 |
| Fa0/19 | 0 | 0 | 0 | 0 | 0 |
| Fa0/20 | 0 | 0 | 0 | 0 | 0 |
| Fa0/21 | 0 | 0 | 0 | 0 | 0 |
| Fa0/22 | 0 | 0 | 0 | 0 | 0 |
| Fa0/23 | 0 | 0 | 0 | 0 | 0 |
| Fa0/24 | 0 | 0 | 0 | 0 | 0 |
| Po1    | 0 | 0 | 0 | 0 | 0 |
| Po2    | 0 | 0 | 0 | 0 | 0 |

| Port   | Single-Col | Multi-Col | Late-Col | Excess-Col | Carri-Sen | Runts |
|--------|------------|-----------|----------|------------|-----------|-------|
| Giants |            |           |          |            |           |       |
| Fa0/1  | 0          | 0         | 0        | 0          | 0         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/2  | 0          | 0         | 0        | 0          | 0         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/3  | 0          | 0         | 0        | 0          | 0         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/4  | 0          | 0         | 0        | 0          | 0         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/5  | 0          | 0         | 0        | 0          | 0         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/6  | 0          | 0         | 0        | 0          | 0         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/7  | 0          | 0         | 0        | 0          | 0         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/8  | 0          | 0         | 0        | 0          | 0         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/9  | 0          | 0         | 0        | 0          | 0         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/10 | 0          | 0         | 0        | 0          | 0         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/11 | 0          | 0         | 0        | 0          | 0         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/12 | 0          | 0         | 0        | 0          | 0         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/13 | 0          | 0         | 0        | 0          | 0         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/14 | 0          | 0         | 0        | 0          | 0         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/15 | 0          | 0         | 0        | 0          | 0         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/16 | 0          | 0         | 0        | 0          | 3         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/17 | 0          | 0         | 0        | 0          | 3         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/18 | 0          | 0         | 0        | 0          | 3         | 0     |
| 0      |            |           |          |            |           |       |
| Fa0/19 | 0          | 0         | 0        | 0          | 3         | 0     |
| 0      |            |           |          |            |           |       |

|        |   |   |   |   |   |   |
|--------|---|---|---|---|---|---|
| Fa0/20 | 0 | 0 | 0 | 0 | 3 | 0 |
| 0      |   |   |   |   |   |   |
| Fa0/21 | 0 | 0 | 0 | 0 | 3 | 0 |
| 0      |   |   |   |   |   |   |
| Fa0/22 | 0 | 0 | 0 | 0 | 1 | 0 |
| 0      |   |   |   |   |   |   |
| Fa0/23 | 0 | 0 | 0 | 0 | 1 | 0 |
| 0      |   |   |   |   |   |   |
| Fa0/24 | 0 | 0 | 0 | 0 | 1 | 0 |
| 0      |   |   |   |   |   |   |
| Po1    | 0 | 0 | 0 | 0 | 0 | 0 |
| 0      |   |   |   |   |   |   |
| Po2    | 0 | 0 | 0 | 0 | 0 | 0 |
| 0      |   |   |   |   |   |   |
| ASW1#  |   |   |   |   |   |   |

```
ASW1#show cdp neighbors
```

```
Capability Codes: R - Router, T - Trans Bridge, B - Source Route Bridge  
                  S - Switch, H - Host, I - IGMP, r - Repeater, P - Phone
```

| Device ID | Local Intrfce | Holdtme | Capability | Platform | Port |
|-----------|---------------|---------|------------|----------|------|
| ID        |               |         |            |          |      |
| ASW1#     |               |         |            |          |      |

```
ASW1#show cdp neighbors detail
```

```
ASW1#
```

```
ASW1#show arp
Protocol Address          Age (min)  Hardware Addr  Type   Interface
Internet 192.168.1.131        -          0015.faac.46c0 ARPA   Vlan200
ASW1#
```

```
ASW1#show ip arp
Protocol Address          Age (min)  Hardware Addr  Type   Interface
Internet 192.168.1.131      -          0015.faac.46c0 ARPA   Vlan200
ASW1#
```

```
ASW1#show ip interface
Vlan1 is administratively down, line protocol is down
  Internet protocol processing disabled
Vlan200 is up, line protocol is up
  Internet address is 192.168.1.131/27
  Broadcast address is 255.255.255.255
  Address determined by non-volatile memory
  MTU is 1500 bytes
  Helper address is not set
  Directed broadcast forwarding is disabled
  Outgoing access list is not set
  Inbound access list is not set
  Proxy ARP is enabled
  Local Proxy ARP is disabled
  Security level is default
  Split horizon is enabled
  ICMP redirects are always sent
  ICMP unreachable are always sent
  ICMP mask replies are never sent
  IP fast switching is disabled
  IP fast switching on the same interface is disabled
  IP Null turbo vector
  IP multicast fast switching is disabled
  IP multicast distributed fast switching is disabled
  IP route-cache flags are None
  Router Discovery is disabled
  IP output packet accounting is disabled
  IP access violation accounting is disabled
  TCP/IP header compression is disabled
  RTP/IP header compression is disabled
  Probe proxy name replies are disabled
  Policy routing is disabled
```

```
Network address translation is disabled
WCCP Redirect outbound is disabled
WCCP Redirect inbound is disabled
WCCP Redirect exclude is disabled
BGP Policy Mapping is disabled
ASW1#
```

```
ASW1#show tcp statistics
Rcvd: 0 Total, 0 no port
      0 checksum error, 0 bad offset, 0 too short
      0 packets (0 bytes) in sequence
      0 dup packets (0 bytes)
      0 partially dup packets (0 bytes)
      0 out-of-order packets (0 bytes)
```

0 packets (0 bytes) with data after window  
0 packets after close  
0 window probe packets, 0 window update packets  
0 dup ack packets, 0 ack packets with unsend data  
0 ack packets (0 bytes)  
Sent: 0 Total, 0 urgent packets  
0 control packets (including 0 retransmitted)  
0 data packets (0 bytes)  
0 data packets (0 bytes) retransmitted  
0 ack only packets (0 delayed)  
0 window probe packets, 0 window update packets  
0 Connections initiated, 0 connections accepted, 0 connections  
established  
0 Connections closed (including 0 dropped, 0 embryonic dropped)  
0 Total rxmt timeout, 0 connections dropped in rxmt timeout  
0 Keepalive timeout, 0 keepalive probe, 0 Connections dropped in  
keepalive  
ASW1#

```
ASW1#show access-lists
```

```
ASW1#
```

```
ASW1#show vlan
```

| VLAN Name | Status | Ports |
|-----------|--------|-------|
| -----     | -----  | ----- |
| -----     |        |       |

```

1    default          active   Fa0/16, Fa0/17, Fa0/18,
Fa0/19                                     Fa0/20, Fa0/21, Fa0/22,
Fa0/23                                     Fa0/24
10   VLAN0010        active   Fa0/1, Fa0/2, Fa0/3,
Fa0/4                                       Fa0/5, Fa0/6, Fa0/7,
Fa0/8                                       Fa0/9, Fa0/10, Fa0/11,
Fa0/12                                      Fa0/13, Fa0/14, Fa0/15
20   VLAN0020        active
100  VLAN0100        active
200  VLAN0200        active
1002 fddi-default     act/unsup
1003 trcrf-default   act/unsup
1004 fddinet-default act/unsup
1005 trbrf-default   act/unsup

```

| VLAN | Type  | SAID   | MTU  | Parent | RingNo | BridgeNo | Stp  | BrdgMode | Trans1 | Trans2 |
|------|-------|--------|------|--------|--------|----------|------|----------|--------|--------|
| 1    | enet  | 100001 | 1500 | -      | -      | -        | -    | -        | 0      | 0      |
| 10   | enet  | 100010 | 1500 | -      | -      | -        | -    | -        | 0      | 0      |
| 20   | enet  | 100020 | 1500 | -      | -      | -        | -    | -        | 0      | 0      |
| 100  | enet  | 100100 | 1500 | -      | -      | -        | -    | -        | 0      | 0      |
| 200  | enet  | 100200 | 1500 | -      | -      | -        | -    | -        | 0      | 0      |
| 1002 | fddi  | 101002 | 1500 | -      | -      | -        | -    | -        | 0      | 0      |
| 1003 | trcrf | 101003 | 4472 | 1005   | 3276   | -        | -    | srbr     | 0      | 0      |
| 1004 | fdnet | 101004 | 1500 | -      | -      | -        | ieee | -        | 0      | 0      |
| 1005 | trbrf | 101005 | 4472 | -      | -      | 15       | ibm  | -        | 0      | 0      |

```

VLAN AREHops STEHops Backup CRF
-----
1003 7          7          off

```

Remote SPAN VLANs

```

-----
Primary Secondary Type          Ports
-----

```

ASW1#

ASW1#show spanning-tree

VLAN0010

Spanning tree enabled protocol ieee

Root ID      Priority      61450  
Address      0015.faac.46c0  
This bridge is the root  
Hello Time    2 sec    Max Age 20 sec    Forward Delay 15 sec

Bridge ID    Priority      61450 (priority 61440 sys-id-ext 10)  
Address      0015.faac.46c0  
Hello Time    2 sec    Max Age 20 sec    Forward Delay 15 sec  
Aging Time    300

| Interface | Role  | Sts   | Cost  | Prio.Nbr | Type     |
|-----------|-------|-------|-------|----------|----------|
| -----     | ----- | ----- | ----- | -----    | -----    |
| ----      |       |       |       |          |          |
| Fa0/1     | Desg  | FWD   | 19    | 128.1    | Edge P2p |

ASW1#

ASW1#show interfaces status

| Port  | Name         | Status     | Vlan | Duplex | Speed | Type |
|-------|--------------|------------|------|--------|-------|------|
| Fa0/1 | 10/100BaseTX | connected  | 10   | a-full | a-100 |      |
| Fa0/2 | 10/100BaseTX | notconnect | 10   | auto   | auto  |      |
| Fa0/3 | 10/100BaseTX | notconnect | 10   | auto   | auto  |      |
| Fa0/4 | 10/100BaseTX | notconnect | 10   | auto   | auto  |      |

|              |            |    |      |      |
|--------------|------------|----|------|------|
| Fa0/5        | notconnect | 10 | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/6        | notconnect | 10 | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/7        | notconnect | 10 | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/8        | notconnect | 10 | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/9        | notconnect | 10 | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/10       | notconnect | 10 | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/11       | notconnect | 10 | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/12       | notconnect | 10 | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/13       | notconnect | 10 | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/14       | notconnect | 10 | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/15       | notconnect | 10 | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/16       | disabled   | 1  | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/17       | disabled   | 1  | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/18       | disabled   | 1  | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/19       | disabled   | 1  | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/20       | disabled   | 1  | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/21       | disabled   | 1  | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/22       | disabled   | 1  | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/23       | disabled   | 1  | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Fa0/24       | disabled   | 1  | auto | auto |
| 10/100BaseTX |            |    |      |      |
| Po1          | disabled   | 1  | auto | auto |
| Po2          | disabled   | 1  | auto | auto |
| ASW1#        |            |    |      |      |

```
ASW1#show interfaces switchport
Name: Fa0/1
Switchport: Enabled
Administrative Mode: static access
Operational Mode: static access
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: native
Negotiation of Trunking: Off
Access Mode VLAN: 10 (VLAN0010)
Trunking Native Mode VLAN: 1 (default)
Voice VLAN: none
Administrative private-vlan host-association: none
Administrative private-vlan mapping: none
Administrative private-vlan trunk native VLAN: none
Administrative private-vlan trunk encapsulation: dot1q
Administrative private-vlan trunk normal VLANs: none
Administrative private-vlan trunk private VLANs: none
Operational private-vlan: none
Trunking VLANs Enabled: ALL
Pruning VLANs Enabled: 2-1001
Capture Mode Disabled
Capture VLANs Allowed: ALL
Protected: false
Appliance trust: none
```

Name: Fa0/2  
Switchport: Enabled  
Administrative Mode: static access  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: Off  
Access Mode VLAN: 10 (VLAN0010)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/3  
Switchport: Enabled  
Administrative Mode: static access  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: Off  
Access Mode VLAN: 10 (VLAN0010)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/4  
Switchport: Enabled  
Administrative Mode: static access  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: Off  
Access Mode VLAN: 10 (VLAN0010)

Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/5  
Switchport: Enabled  
Administrative Mode: static access  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: Off  
Access Mode VLAN: 10 (VLAN0010)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/6  
Switchport: Enabled  
Administrative Mode: static access  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: Off  
Access Mode VLAN: 10 (VLAN0010)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none

Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/7  
Switchport: Enabled  
Administrative Mode: static access  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: Off  
Access Mode VLAN: 10 (VLAN0010)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/8  
Switchport: Enabled  
Administrative Mode: static access  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: Off  
Access Mode VLAN: 10 (VLAN0010)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/9  
Switchport: Enabled  
Administrative Mode: static access  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: Off  
Access Mode VLAN: 10 (VLAN0010)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/10  
Switchport: Enabled  
Administrative Mode: static access  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: Off  
Access Mode VLAN: 10 (VLAN0010)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/11  
Switchport: Enabled  
Administrative Mode: static access  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: Off  
Access Mode VLAN: 10 (VLAN0010)  
Trunking Native Mode VLAN: 1 (default)

Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/12  
Switchport: Enabled  
Administrative Mode: static access  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: Off  
Access Mode VLAN: 10 (VLAN0010)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/13  
Switchport: Enabled  
Administrative Mode: static access  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: Off  
Access Mode VLAN: 10 (VLAN0010)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none

Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/14  
Switchport: Enabled  
Administrative Mode: static access  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: Off  
Access Mode VLAN: 10 (VLAN0010)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/15  
Switchport: Enabled  
Administrative Mode: static access  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: Off  
Access Mode VLAN: 10 (VLAN0010)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/16

Switchport: Enabled  
Administrative Mode: trunk  
Operational Mode: down (suspended member of bundle Po2)  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: On  
Access Mode VLAN: 1 (default)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: 10,200  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/17

Switchport: Enabled  
Administrative Mode: trunk  
Operational Mode: down (suspended member of bundle Po2)  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: On  
Access Mode VLAN: 1 (default)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: 10,200  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/18

Switchport: Enabled  
Administrative Mode: trunk  
Operational Mode: down (suspended member of bundle Po2)  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: On  
Access Mode VLAN: 1 (default)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none

Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: 10,200  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/19  
Switchport: Enabled  
Administrative Mode: trunk  
Operational Mode: down (suspended member of bundle Po1)  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: On  
Access Mode VLAN: 1 (default)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: 10,200  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/20  
Switchport: Enabled  
Administrative Mode: trunk  
Operational Mode: down (suspended member of bundle Po1)  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: On  
Access Mode VLAN: 1 (default)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: 10,200

Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/21  
Switchport: Enabled  
Administrative Mode: trunk  
Operational Mode: down (suspended member of bundle Po1)  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: On  
Access Mode VLAN: 1 (default)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: 10,200  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/22  
Switchport: Enabled  
Administrative Mode: trunk  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: On  
Access Mode VLAN: 1 (default)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/23  
Switchport: Enabled

Administrative Mode: trunk  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: On  
Access Mode VLAN: 1 (default)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Fa0/24  
Switchport: Enabled  
Administrative Mode: trunk  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: On  
Access Mode VLAN: 1 (default)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: ALL  
Pruning VLANs Enabled: 2-1001  
Capture Mode Disabled  
Capture VLANs Allowed: ALL  
Protected: false  
Appliance trust: none

Name: Po1  
Switchport: Enabled  
Administrative Mode: trunk  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: On  
Access Mode VLAN: 1 (default)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none

Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: 10,200  
Pruning VLANs Enabled: 2-1001  
Protected: false  
Appliance trust: none

Name: Po2  
Switchport: Enabled  
Administrative Mode: trunk  
Operational Mode: down  
Administrative Trunking Encapsulation: dot1q  
Negotiation of Trunking: On  
Access Mode VLAN: 1 (default)  
Trunking Native Mode VLAN: 1 (default)  
Voice VLAN: none  
Administrative private-vlan host-association: none  
Administrative private-vlan mapping: none  
Administrative private-vlan trunk native VLAN: none  
Administrative private-vlan trunk encapsulation: dot1q  
Administrative private-vlan trunk normal VLANs: none  
Administrative private-vlan trunk private VLANs: none  
Operational private-vlan: none  
Trunking VLANs Enabled: 10,200  
Pruning VLANs Enabled: 2-1001  
Protected: false  
Appliance trust: none  
ASW1#

```
ASW1#show interfaces trunk
```

```
ASW1#
```

```
ASW1#show vtp status
VTP Version                : 2
Configuration Revision     : 0
Maximum VLANs supported locally : 64
Number of existing VLANs   : 9
VTP Operating Mode        : Transparent
VTP Domain Name           : netlearning
VTP Pruning Mode          : Disabled
VTP V2 Mode                : Enabled
VTP Traps Generation      : Disabled
MD5 digest                 : 0xF2 0x5A 0xD0 0xF7 0xCC 0xC8 0x72 0x17
Configuration last modified by 0.0.0.0 at 0-0-00 00:00:00
ASW1#
```

```
ASW1#show vtp password
VTP Password: cisco
ASW1#
```

```
ASW1#show etherchannel detail
```

Channel-group listing:

-----

Group: 1

-----

Group state = L2  
Ports: 3 Maxports = 16  
Port-channels: 1 Max Port-channels = 16  
Protocol: LACP

Ports in the group:

-----

Port: Fa0/19

-----

Port state = Down Not-in-Bndl  
Channel group = 1 Mode = Passive Gcchange = -  
Port-channel = null GC = - Pseudo port-channel =  
Po1  
Port index = 0 Load = 0x00 Protocol = LACP

Flags: S - Device is sending Slow LACPDUs F - Device is sending fast  
LACPDUs.  
A - Device is in active mode. P - Device is in passive  
mode.

Local information:

| Port   | Flags | State | LACP port<br>Priority | Admin<br>Key | Oper<br>Key | Port<br>Number | Port |
|--------|-------|-------|-----------------------|--------------|-------------|----------------|------|
| Fa0/19 | SP    | down  | 32768                 | 0x1          | 0x1         | 0x13           | 0x4  |

Partner's information:

| Port   | Flags | LACP port<br>Priority | Dev ID         | Age   | Oper<br>Key | Port<br>Number | Port<br>State |
|--------|-------|-----------------------|----------------|-------|-------------|----------------|---------------|
| Fa0/19 | SA    | 32768                 | 000d.bde3.6e00 | 2160s | 0xD         | 0x10           | 0x35          |

Age of the port in the current state: 0d:00h:36m:23s

Port: Fa0/20

-----

Port state = Down Not-in-Bndl  
Channel group = 1 Mode = Passive Gcchange = -  
Port-channel = null GC = - Pseudo port-channel =  
Po1  
Port index = 0 Load = 0x00 Protocol = LACP

Flags: S - Device is sending Slow LACPDUs F - Device is sending fast  
LACPDUs.  
A - Device is in active mode. P - Device is in passive  
mode.

Local information:

| Port   | Flags | State | LACP port<br>Priority | Admin<br>Key | Oper<br>Key | Port<br>Number | Port |
|--------|-------|-------|-----------------------|--------------|-------------|----------------|------|
| Fa0/20 | SP    | down  | 32768                 | 0x1          | 0x1         | 0x14           | 0x4  |

Partner's information:

| Port   | Flags | LACP port<br>Priority | Dev ID         | Age   | Oper<br>Key | Port<br>Number | Port<br>State |
|--------|-------|-----------------------|----------------|-------|-------------|----------------|---------------|
| Fa0/20 | SA    | 32768                 | 000d.bde3.6e00 | 2159s | 0xD         | 0x11           | 0x35          |

Age of the port in the current state: 0d:00h:36m:24s

Port: Fa0/21

-----

Port state = Down Not-in-Bndl  
Channel group = 1 Mode = Passive Gcchange = -  
Port-channel = null GC = - Pseudo port-channel =  
Po1  
Port index = 0 Load = 0x00 Protocol = LACP

Flags: S - Device is sending Slow LACPDUs F - Device is sending fast LACPDUs.  
A - Device is in active mode. P - Device is in passive mode.

Local information:

| Port   | Flags | State | LACP port<br>Priority | Admin<br>Key | Oper<br>Key | Port<br>Number | Port |
|--------|-------|-------|-----------------------|--------------|-------------|----------------|------|
| Fa0/21 | SP    | down  | 32768                 | 0x1          | 0x1         | 0x15           | 0x4  |

Partner's information:

| Port   | Flags | LACP port<br>Priority | Dev ID         | Age   | Oper<br>Key | Port<br>Number | Port<br>State |
|--------|-------|-----------------------|----------------|-------|-------------|----------------|---------------|
| Fa0/21 | SA    | 32768                 | 000d.bde3.6e00 | 2157s | 0xD         | 0x12           | 0x35          |

Age of the port in the current state: 0d:00h:40m:03s

Port-channels in the group:

-----

Port-channel: Po1 (Primary Aggregator)

-----

Age of the Port-channel = 0d:04h:36m:47s  
Logical slot/port = 1/0 Number of ports = 0  
HotStandBy port = null  
Port state = Port-channel Ag-Not-Inuse Down  
Protocol = LACP

Time since last port bundled: 0d:00h:36m:26s Fa0/20  
Time since last port Un-bundled: 0d:00h:35m:49s Fa0/21

Group: 2

-----  
Group state = L2  
Ports: 3 Maxports = 16  
Port-channels: 1 Max Port-channels = 16  
Protocol: LACP

Ports in the group:

-----  
Port: Fa0/16

-----  
Port state = Down Not-in-Bndl  
Channel group = 2 Mode = Passive Gcchange = -  
Port-channel = null GC = - Pseudo port-channel =  
Po2  
Port index = 0 Load = 0x00 Protocol = LACP

Flags: S - Device is sending Slow LACPDUs F - Device is sending fast  
LACPDUs.  
A - Device is in active mode. P - Device is in passive  
mode.

Local information:

| Port   | Flags | State | LACP port<br>Priority | Admin<br>Key | Oper<br>Key | Port<br>Number | Port |
|--------|-------|-------|-----------------------|--------------|-------------|----------------|------|
| Fa0/16 | SP    | down  | 32768                 | 0x2          | 0x2         | 0x10           | 0x4  |

Partner's information:

| Port   | Flags | LACP port<br>Priority | Dev ID         | Age   | Oper<br>Key | Port<br>Number | Port<br>State |
|--------|-------|-----------------------|----------------|-------|-------------|----------------|---------------|
| Fa0/16 | SA    | 32768                 | 000b.fd20.ba00 | 2152s | 0x17        | 0x10           | 0x35          |

Age of the port in the current state: 0d:00h:36m:45s

Port: Fa0/17

-----  
Port state = Down Not-in-Bndl  
Channel group = 2 Mode = Passive Gcchange = -  
Port-channel = null GC = - Pseudo port-channel =  
Po2  
Port index = 0 Load = 0x00 Protocol = LACP

Flags: S - Device is sending Slow LACPDUs F - Device is sending fast  
LACPDUs.  
A - Device is in active mode. P - Device is in passive  
mode.

Local information:

| Port State | Flags | State | LACP port Priority | Admin Key | Oper Key | Port Number | Port |
|------------|-------|-------|--------------------|-----------|----------|-------------|------|
| Fa0/17     | SP    | down  | 32768              | 0x2       | 0x2      | 0x11        | 0x4  |

Partner's information:

| Port   | Flags | LACP port Priority | Dev ID         | Age   | Oper Key | Port Number | Port State |
|--------|-------|--------------------|----------------|-------|----------|-------------|------------|
| Fa0/17 | SA    | 32768              | 000b.fd20.ba00 | 2162s | 0x17     | 0x11        | 0x35       |

Age of the port in the current state: 0d:00h:36m:53s

Port: Fa0/18

-----

Port state = Down Not-in-Bndl  
Channel group = 2 Mode = Passive Gcchange = -  
Port-channel = null GC = - Pseudo port-channel = Po2  
Port index = 0 Load = 0x00 Protocol = LACP

Flags: S - Device is sending Slow LACPDUs F - Device is sending fast LACPDUs.  
A - Device is in active mode. P - Device is in passive mode.

Local information:

| Port State | Flags | State | LACP port Priority | Admin Key | Oper Key | Port Number | Port |
|------------|-------|-------|--------------------|-----------|----------|-------------|------|
| Fa0/18     | SP    | down  | 32768              | 0x2       | 0x2      | 0x12        | 0x4  |

Partner's information:

| Port   | Flags | LACP port Priority | Dev ID         | Age   | Oper Key | Port Number | Port State |
|--------|-------|--------------------|----------------|-------|----------|-------------|------------|
| Fa0/18 | SA    | 32768              | 000b.fd20.ba00 | 2168s | 0x17     | 0x12        | 0x35       |

Age of the port in the current state: 0d:00h:39m:42s

Port-channels in the group:

-----

Port-channel: Po2 (Primary Aggregator)

-----

Age of the Port-channel = 0d:04h:36m:51s  
Logical slot/port = 1/1 Number of ports = 0  
HotStandBy port = null  
Port state = Port-channel Ag-Not-Inuse Down  
Protocol = LACP

Time since last port bundled: 0d:00h:36m:48s Fa0/16  
Time since last port Un-bundled: 0d:00h:35m:49s Fa0/18

ASW1#

ASW1#show spanning-tree inconsistentports

| Name  | Interface | Inconsistency |
|-------|-----------|---------------|
| ----- | -----     | -----         |

Number of inconsistent ports (segments) in the system : 0

ASW1#

```
ASW1#show spanning-tree summary
```

```
Switch is in pvst mode
```

```
Root bridge for: VLAN0010
```

```
EtherChannel misconfig guard is enabled  
Extended system ID          is enabled  
Portfast Default            is disabled  
PortFast BPDU Guard Default is disabled  
Portfast BPDU Filter Default is disabled  
Loopguard Default           is disabled  
UplinkFast                   is disabled  
BackboneFast                 is disabled  
Pathcost method used         is short
```

```
Name                Blocking Listening Learning Forwarding STP Active
```

```
-----  
VLAN0010          0          0          0          1          1  
-----  
1 vlan           0          0          0          1          1  
ASW1#
```

```
ASW1#show udld
```

```
Interface Fa0/1
```

```
---
```

```
Port enable administrative configuration setting: Disabled
```

```
Port enable operational state: Disabled
```

```
Current bidirectional state: Unknown
```

Interface Fa0/2

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/3

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/4

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/5

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/6

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/7

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/8

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/9

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/10

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/11

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/12

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/13

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/14

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/15

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/16

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/17

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/18

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/19

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/20

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/21

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/22

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/23

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

Interface Fa0/24

---

Port enable administrative configuration setting: Disabled  
Port enable operational state: Disabled  
Current bidirectional state: Unknown

ASW1#

ASW1#show etherchannel summary

Flags: D - down P - in port-channel  
I - stand-alone s - suspended  
H - Hot-standby (LACP only)  
R - Layer3 S - Layer2  
u - unsuitable for bundling  
U - in use f - failed to allocate aggregator  
d - default port

Number of channel-groups in use: 2

Number of aggregators: 2

| Group | Port-channel | Protocol | Ports      |            |            |
|-------|--------------|----------|------------|------------|------------|
| 1     | Po1 (SD)     | LACP     | Fa0/19 (D) | Fa0/20 (D) | Fa0/21 (D) |
| 2     | Po2 (SD)     | LACP     | Fa0/16 (D) | Fa0/17 (D) | Fa0/18 (D) |

ASW1#

```
ASW1#show etherchannel protocol
      Channel-group listing:
```

```
-----
```

```
Group: 1
```

```
-----
```

```
Protocol: LACP
```

```
Group: 2
```

```
-----
```

```
Protocol: LACP
```

```
ASW1#
```

ASW1#show etherchannel port

Channel-group listing:

-----

Group: 1

-----

Ports in the group:

-----

Port: Fa0/19

-----

Port state = Down Not-in-Bndl

Channel group = 1 Mode = Passive

Gcchange = -

Port-channel = null GC = -

Pseudo port-channel =

Pol

Port index = 0 Load = 0x00

Protocol = LACP

Flags: S - Device is sending Slow LACPDU LACPDU. F - Device is sending fast LACPDU.

A - Device is in active mode. mode.

P - Device is in passive

Local information:

| Port   | Flags | State | LACP port<br>Priority | Admin<br>Key | Oper<br>Key | Port<br>Number | Port |
|--------|-------|-------|-----------------------|--------------|-------------|----------------|------|
| Fa0/19 | SP    | down  | 32768                 | 0x1          | 0x1         | 0x13           | 0x4  |

Partner's information:

| Port   | Flags | LACP port<br>Priority | Dev ID         | Age   | Oper<br>Key | Port<br>Number | Port<br>State |
|--------|-------|-----------------------|----------------|-------|-------------|----------------|---------------|
| Fa0/19 | SA    | 32768                 | 000d.bde3.6e00 | 2211s | 0xD         | 0x10           | 0x35          |

Age of the port in the current state: 0d:00h:37m:15s

Port: Fa0/20

-----

Port state = Down Not-in-Bndl  
Channel group = 1 Mode = Passive Gcchange = -  
Port-channel = null GC = - Pseudo port-channel =  
Po1  
Port index = 0 Load = 0x00 Protocol = LACP

Flags: S - Device is sending Slow LACPDUs F - Device is sending fast LACPDUs.  
A - Device is in active mode. P - Device is in passive mode.

Local information:

| Port   | Flags | State | LACP port<br>Priority | Admin<br>Key | Oper<br>Key | Port<br>Number | Port |
|--------|-------|-------|-----------------------|--------------|-------------|----------------|------|
| Fa0/20 | SP    | down  | 32768                 | 0x1          | 0x1         | 0x14           | 0x4  |

Partner's information:

| Port   | Flags | LACP port<br>Priority | Dev ID         | Age   | Oper<br>Key | Port<br>Number | Port<br>State |
|--------|-------|-----------------------|----------------|-------|-------------|----------------|---------------|
| Fa0/20 | SA    | 32768                 | 000d.bde3.6e00 | 2211s | 0xD         | 0x11           | 0x35          |

Age of the port in the current state: 0d:00h:37m:16s

Port: Fa0/21

-----

Port state = Down Not-in-Bndl  
Channel group = 1 Mode = Passive Gcchange = -  
Port-channel = null GC = - Pseudo port-channel =  
Po1  
Port index = 0 Load = 0x00 Protocol = LACP

Flags: S - Device is sending Slow LACPDUs F - Device is sending fast LACPDUs.  
A - Device is in active mode. P - Device is in passive mode.

Local information:

| Port   | Flags | State | LACP port<br>Priority | Admin<br>Key | Oper<br>Key | Port<br>Number | Port |
|--------|-------|-------|-----------------------|--------------|-------------|----------------|------|
| Fa0/21 | SP    | down  | 32768                 | 0x1          | 0x1         | 0x15           | 0x4  |

Partner's information:

| Port   | Flags | LACP port<br>Priority | Dev ID         | Age   | Oper<br>Key | Port<br>Number | Port<br>State |
|--------|-------|-----------------------|----------------|-------|-------------|----------------|---------------|
| Fa0/21 | SA    | 32768                 | 000d.bde3.6e00 | 2209s | 0xD         | 0x12           | 0x35          |

Age of the port in the current state: 0d:00h:40m:55s

Group: 2

-----

Ports in the group:

-----

Port: Fa0/16

-----

Port state = Down Not-in-Bndl  
Channel group = 2 Mode = Passive Gcchange = -  
Port-channel = null GC = - Pseudo port-channel =  
Po2  
Port index = 0 Load = 0x00 Protocol = LACP

Flags: S - Device is sending Slow LACPDUs F - Device is sending fast LACPDUs.  
A - Device is in active mode. P - Device is in passive mode.

Local information:

| Port   | Flags | State | LACP port<br>Priority | Admin<br>Key | Oper<br>Key | Port<br>Number | Port<br>State |
|--------|-------|-------|-----------------------|--------------|-------------|----------------|---------------|
| Fa0/16 | SP    | down  | 32768                 | 0x2          | 0x2         | 0x10           | 0x4           |

Partner's information:

| Port   | Flags | LACP port<br>Priority | Dev ID         | Age   | Oper<br>Key | Port<br>Number | Port<br>State |
|--------|-------|-----------------------|----------------|-------|-------------|----------------|---------------|
| Fa0/16 | SA    | 32768                 | 000b.fd20.ba00 | 2203s | 0x17        | 0x10           | 0x35          |

Age of the port in the current state: 0d:00h:37m:36s

Port: Fa0/17

-----

Port state = Down Not-in-Bndl  
Channel group = 2 Mode = Passive Gcchange = -  
Port-channel = null GC = - Pseudo port-channel =  
Po2  
Port index = 0 Load = 0x00 Protocol = LACP

Flags: S - Device is sending Slow LACPDUs F - Device is sending fast LACPDUs.  
A - Device is in active mode. P - Device is in passive mode.

Local information:

| Port   | Flags | State | LACP port<br>Priority | Admin<br>Key | Oper<br>Key | Port<br>Number | Port |
|--------|-------|-------|-----------------------|--------------|-------------|----------------|------|
| Fa0/17 | SP    | down  | 32768                 | 0x2          | 0x2         | 0x11           | 0x4  |

Partner's information:

| Port   | Flags | LACP port<br>Priority | Dev ID         | Age   | Oper<br>Key | Port<br>Number | Port<br>State |
|--------|-------|-----------------------|----------------|-------|-------------|----------------|---------------|
| Fa0/17 | SA    | 32768                 | 000b.fd20.ba00 | 2213s | 0x17        | 0x11           | 0x35          |

Age of the port in the current state: 0d:00h:37m:45s

Port: Fa0/18

-----

Port state = Down Not-in-Bndl  
Channel group = 2 Mode = Passive Gcchange = -  
Port-channel = null GC = - Pseudo port-channel =  
Po2  
Port index = 0 Load = 0x00 Protocol = LACP

Flags: S - Device is sending Slow LACPDUs F - Device is sending fast  
LACPDUs.

A - Device is in active mode. P - Device is in passive  
mode.

Local information:

| Port   | Flags | State | LACP port<br>Priority | Admin<br>Key | Oper<br>Key | Port<br>Number | Port |
|--------|-------|-------|-----------------------|--------------|-------------|----------------|------|
| Fa0/18 | SP    | down  | 32768                 | 0x2          | 0x2         | 0x12           | 0x4  |

Partner's information:

| Port   | Flags | LACP port<br>Priority | Dev ID         | Age   | Oper<br>Key | Port<br>Number | Port<br>State |
|--------|-------|-----------------------|----------------|-------|-------------|----------------|---------------|
| Fa0/18 | SA    | 32768                 | 000b.fd20.ba00 | 2219s | 0x17        | 0x12           | 0x35          |

Age of the port in the current state: 0d:00h:40m:34s

ASW1#

```
ASW1#show etherchannel load-balance
Source MAC address
ASW1#
```

```
ASW1#show etherchannel port-channel
      Channel-group listing:
      -----
```

```
Group: 1
-----
```

```
      Port-channels in the group:
      -----
```

```
Port-channel: Po1      (Primary Aggregator)
```

```
-----
```

```
Age of the Port-channel   = 0d:04h:37m:58s
Logical slot/port        = 1/0           Number of ports = 0
HotStandBy port = null
Port state                = Port-channel Ag-Not-Inuse Down
Protocol                  = LACP
```

```
Time since last port bundled:    0d:00h:37m:37s    Fa0/20
Time since last port Un-bundled: 0d:00h:36m:59s    Fa0/21
```

```
Group: 2
-----
```

```
      Port-channels in the group:
      -----
```

```
Port-channel: Po2      (Primary Aggregator)
```

```
-----
```

```
Age of the Port-channel   = 0d:04h:37m:58s
```

```
Logical slot/port   = 1/1           Number of ports = 0
HotStandBy port    = null
Port state         = Port-channel Ag-Not-Inuse Down
Protocol           = LACP
```

```
Time since last port bundled: 0d:00h:37m:55s   Fa0/16
Time since last port Un-bundled: 0d:00h:36m:56s  Fa0/18
```

```
ASW1#
```

```
ASW1#show pagp neighbor
```

```
ASW1#
```

ASW1#show lacp neighbor

Flags: S - Device is requesting Slow LACPDUs

F - Device is requesting Fast LACPDUs

A - Device is in Active mode P - Device is in Passive mode

Channel group 1 neighbors

Partner's information:

| Port   | Flags | LACP port<br>Priority | Dev ID         | Age   | Oper<br>Key | Port<br>Number | Port<br>State |
|--------|-------|-----------------------|----------------|-------|-------------|----------------|---------------|
| Fa0/19 | SA    | 32768                 | 000d.bde3.6e00 | 2248s | 0xD         | 0x10           | 0x35          |
| Fa0/20 | SA    | 32768                 | 000d.bde3.6e00 | 2246s | 0xD         | 0x11           | 0x35          |
| Fa0/21 | SA    | 32768                 | 000d.bde3.6e00 | 2244s | 0xD         | 0x12           | 0x35          |

Channel group 2 neighbors

Partner's information:

| Port   | Flags | LACP port<br>Priority | Dev ID         | Age   | Oper<br>Key | Port<br>Number | Port<br>State |
|--------|-------|-----------------------|----------------|-------|-------------|----------------|---------------|
| Fa0/16 | SA    | 32768                 | 000b.fd20.ba00 | 2236s | 0x17        | 0x10           | 0x35          |
| Fa0/17 | SA    | 32768                 | 000b.fd20.ba00 | 2246s | 0x17        | 0x11           | 0x35          |
| Fa0/18 | SA    | 32768                 | 000b.fd20.ba00 | 2250s | 0x17        | 0x12           | 0x35          |

ASW1#

ASW1#show port-security

| Secure Port<br>Action | MaxSecureAddr<br>(Count) | CurrentAddr<br>(Count) | SecurityViolation<br>(Count) | Security |
|-----------------------|--------------------------|------------------------|------------------------------|----------|
|-----------------------|--------------------------|------------------------|------------------------------|----------|

---

|          |   |   |   |  |
|----------|---|---|---|--|
| --       |   |   |   |  |
| Fa0/1    | 1 | 1 | 0 |  |
| Shutdown |   |   |   |  |
| Fa0/2    | 1 | 0 | 0 |  |
| Shutdown |   |   |   |  |
| Fa0/3    | 1 | 0 | 0 |  |
| Shutdown |   |   |   |  |
| Fa0/4    | 1 | 0 | 0 |  |
| Shutdown |   |   |   |  |
| Fa0/5    | 1 | 0 | 0 |  |
| Shutdown |   |   |   |  |
| Fa0/6    | 1 | 0 | 0 |  |
| Shutdown |   |   |   |  |
| Fa0/7    | 1 | 0 | 0 |  |
| Shutdown |   |   |   |  |
| Fa0/8    | 1 | 0 | 0 |  |
| Shutdown |   |   |   |  |
| Fa0/9    | 1 | 0 | 0 |  |
| Shutdown |   |   |   |  |
| Fa0/10   | 1 | 0 | 0 |  |
| Shutdown |   |   |   |  |
| Fa0/11   | 1 | 0 | 0 |  |
| Shutdown |   |   |   |  |
| Fa0/12   | 1 | 0 | 0 |  |
| Shutdown |   |   |   |  |
| Fa0/13   | 1 | 0 | 0 |  |
| Shutdown |   |   |   |  |
| Fa0/14   | 1 | 0 | 0 |  |
| Shutdown |   |   |   |  |
| Fa0/15   | 1 | 0 | 0 |  |
| Shutdown |   |   |   |  |

---

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Total Addresses in System (excluding one mac per port) : 0  
Max Addresses limit in System (excluding one mac per port) : 1024

ASW1#

ASW1#show port-security address  
Secure Mac Address Table

| Vlan | Mac Address    | Type          | Ports | Remaining Age (mins) |
|------|----------------|---------------|-------|----------------------|
| 10   | 001c.238e.dbbc | SecureDynamic | Fa0/1 | -                    |

Total Addresses in System (excluding one mac per port) : 0  
Max Addresses limit in System (excluding one mac per port) : 1024

ASW1#

